

10 30 50  
 TTCGGGCACGAGGGCAGGATGGCGCCACCACCAGCTAGAGTACATCTAGGTGCGTTCCTG  
 M A P P P A R V H L G A F L  
 70 90 110  
 GCAGTGACTCCGAATCCCGGGAGCGCAGCGAGTGGGACAGAGGCAGCCGCGGCCACACCC  
 A V T P N R G S A A S G T E A A A A T P  
 130 150 170  
 AGCAAAGTGTGGGGCTCTTCCGCGGGGAGGATTGAACCACGAGGCGGGGGCCGAGGAGCG  
 S K V W G S S A G R I E P R G G G R G A  
 190 210 230  
 CTCCCTACCTCCATGGGACAGCACGGACCCAGTGCCCGGGCCCGGGCAGGGCGCGCCCCA  
 L P T S M G Q H G P S A R A R A G R A P  
 250 270 290  
 GGACCCAGGCGCGCGGAAGCCAGCCCTCGGCTCCGGGTCCACAAGACCTTCAAGTTT  
 G P R P A R E A S P R L R V H K T F K F  
 310 330 350  
 GTCGTCGTCGGGGTCTGCTGCAGGTCGTACCTAGCTCAGCTGCAACCATCAAACCTTCAT  
 V V V G V L L Q V V P S S A A T I K L H  
 370 390 410  
 GATCAATCAATTGGCACACAGCAATGGGAACATAGCCCTTTGGGAGAGTTGTGTCCACCA  
 D Q S I G T Q Q W E H S P L G E L C P P  
 430 450 470  
 GGATCTCATAGATCAGAACGTCCTGGAGCCTGTAACCGGTGCACAGAGGGTGTGGGTTAC  
 G S H R S E R P G A C N R C T E G V G Y  
 490 510 530  
 ACCAATGCTTCCAACAATTTGTTTGCTTGCCTCCCATGTACAGCTTGTAAATCAGATGAA  
 T N A S N N L F A C L P C T A C K S D E  
 550 570 590  
 GAAGAGAGAAGTCCCTGCACCACGACCAGGAACACAGCATGTCAGTGCAAACCAGGAAC  
 E E R S P C T T T R N T A C Q C K P G T  
 610 630 650  
 TTCCGGAATGACAATTCTGCTGAGATGTGCCGGAAGTGCAGCACAGGGTGCCCCAGAGGG  
 F R N D N S A E M C R K C S T G C P R G  
 670 690 710  
 ATGGTCAAGGTCAAGGATTGTACGCCCTGGAGTGACATCGAGTGTGTCCACAAAGAATCA  
 M V K V K D C T P W S D I E C V H K E S

FIG.1A

730 750 770  
 GGCAATGGACATAATATATGGGTGATTTTGGTTGTGACTTTGGTTGTTCCGTTGCTGTTG  
 G N G H N I W V I L V V T L V V P L L L  
 \*\*\*\*\*  
 790 810 830  
 GTGGCTGTGCTGATTGTCTGTTGTTGCATCGGCTCAGGTTGTGGAGGGGACCCCAAGTGC  
 V A V L I V C C C I G S G C G G D P K C  
 \*\*\*\*\*  
 850 870 890  
 ATGGACAGGGTGTGTTTCTGGCGCTTGGGTCTCCTACGAGGGCCTGGGGCTGAGGACAAT  
 M D R V C F W R L G L L R G P G A E D N  
 910 930 950  
 GCTCACAACGAGATTCTGAGCAACGCAGACTCGCTGTCCACTTTCTGTCTCTGAGCAGCAA  
 A H N E I L S N A D S L S T F V S E Q Q  
 970 990 1010  
 ATGGAAAGCCAGGAGCCGGCAGATTTGACAGGTGTCACTGTACAGTCCCCAGGGGAGGCA  
 M E S Q E P A E L T G V T V Q S P G E A  
 1030 1050 1070  
 CAGTGTCTGCTGGGACCGGCAGAAAGCTGAAGGGTCTCAGAGGAGGAGGCTGCTGGTTCCA  
 Q C L L G P A E A E G S Q R R R L L V P  
 1090 1110 1130  
 GCAAATGGTGCTGACCCCACTGAGACTCTGATGCTGTTCTTTGACAAGTTTGCAAACATC  
 A N G A D P T E T L M L F F D K F A N I  
 1150 1170 1190  
 GTGCCCTTTGACTCCTGGGACCAGCTCATGAGGCAGCTGGACCTCACGAAAAATGAGATC  
 V P F D S W D Q L M R Q L D L T K N E I  
 1210 1230 1250  
 GATGTGGTCAGAGCTGGTACAGCAGGCCAGGGGATGCCTTGTATGCAATGCTGATGAAA  
 D V K R A G T A G P G D A L Y A M L M K  
 1270 1290 1310  
 TGGGTCAACAAAACCTGGACGGAACGCCTCGATCCACACCCTGCTGGATGCCTTGGAGAGG  
 W V N K T G R N A S I H T L L D A L E R  
 1330 1350 1370  
 ATGGAAGAGAGACATGCAAAAGAGAAGATTCAGGACCTCTTGGTGGACTCTGGAAAGTTC  
 M E E R H A K E K I Q D L L V D S G K F

FIG.1B

1390	1410	1430
ATCTACTTAGAAGATGGCACAGGCTCTGCCGTGTCCTTGGAGTGAAAGACTCTTTTTACC		
I Y L E D G T G S A V S L E		
1450	1470	1490
AGAGGTTTCCTCTTAGGTGTTAGGAGTTAATACATATTAGGTTTTTTTTTTTAAACAT		
1510	1530	1550
GTATACAAAGTAAATTCTTAGCCACGTGTATTGGCTCCTGCCTGTAATCCCATCACTTTG		
1570	1590	1610
GGAGGCTGACGCCGGTGGATCCACTTGAGGTCCGAAGTTCCAAGACCAGCCCTGAACCAA		
1630	1650	1670
CATCGTGGAAATGCCCGTCTTTTACAAAAAATACCAAAATTCAACTGGAATGTGCATG		
1690	1710	1730
GTGTGTGCCATCATTTCTCGGCTAACTACGGGAGGTCTGAGGCCAGGAGAATCCACTTG		
1750	1770	1790
AACCCACGAAGGACAGTGTAGACTGCAGATTGCACCACTGCACTCCCAGCCTGGGAACA		
1810	1830	1850
CAGAGCAAGACTCTGTCTCAAGATAAAATAAAATAAACTTGAAAGAATTATTGCCCCACT		
1870	1890	1910
GAGGCTCACATGCCAAAGGAAAATCTGGTTCTCCCCTGAGCTGGCCTCCGTGTGTTTCCT		
1930	1950	1970
TATCATGGTGGTCAATTGGAGGTGTTAATTTGAATGGATTAAGGAACACCTAGAACACTG		
1990	2010	2030
GTAAGGCATTATTTCTGGGACATTATTTCTGGGCATGTCTTCGAGGGTGTTCAGAGGG		
2050	2070	2090
GATTGGCATGCGATCGGGTGGACTGAGTGGAAAAGACCTACCCCTTAATTTGGGGGGGCAC		
2110	2130	2150
CGTCCGACAGACTGGGGAGCAAGATAGAAGAAAAACAAAAAAAAAAAAAAAAAAAA		

FIG.1C







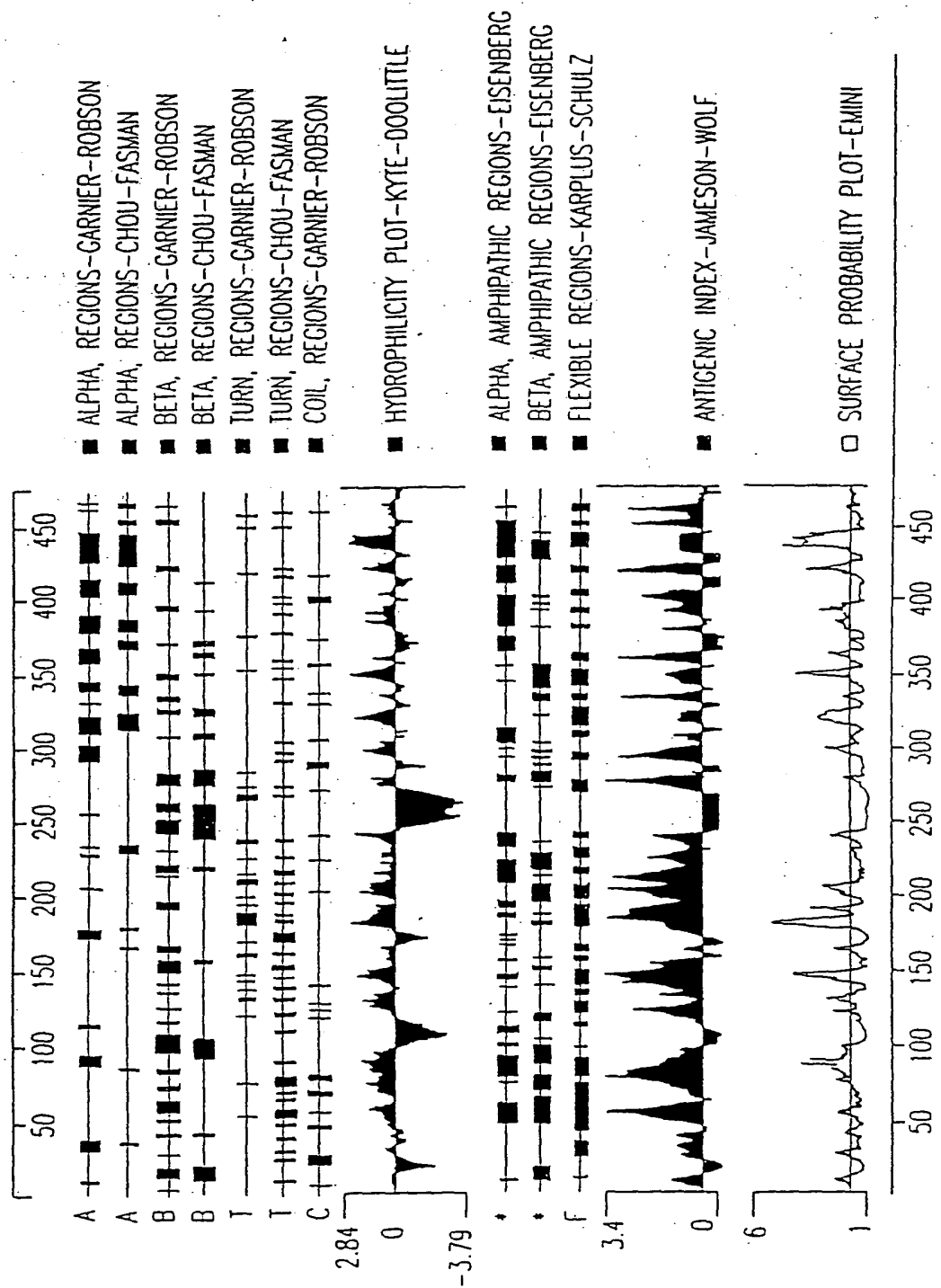


FIG.3

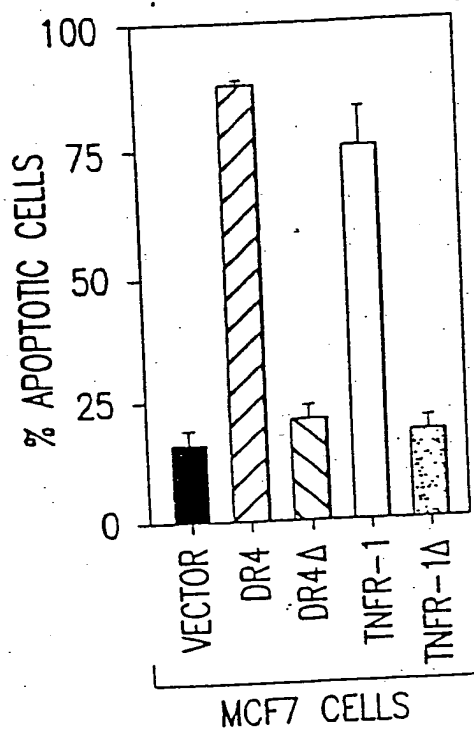
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51 TCAATTGGCA CACAGCAATG GGAAACATAG CCCTTTGGAA GANTTGTNTC
101 CACCAGGATC TCATAGATCA AAACATCCTG GGAGCCTGTT AACCGGTGCC
151 CCAAAGGNTG GTCAAGGTCA AGGAATTGTT NCGCCCTGGA AGTGAACATC
201 GAGTGTNTCC ACAAAGGATT CAGGCAATGG GACATAAATA TATGGGTGAA
251 TTTTGGTTGT GAACTTTGGT TGNTCCCGTT GNTGTTGNTG GCTGTGCTGA
301 TTGTTTGTG TTGCATCGGC TTCAGGTTNT GGAGGGGGAC CCAAGTGCAT
351 GGACAGGGTG TGTTTCTGGG GTTTGGGTCT CTTAGAGGGC NTGGGTTANG
401 GCANGTTCAC AAGGGTTTTA GCAANG
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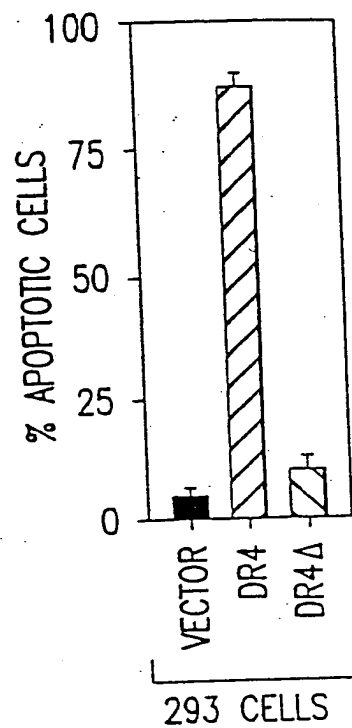
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1  TGGGGCTGAG GACAATGCTG ACNACGAGAT TCTGAGCAAC GCAGNACTNG
51 CTGTCCACTT TCGTCTNTGN GCAGCAAATG GAAAGCCAGG AGCCGGCAGA
101 TTTGACAGGT GTCAGTGTAC AGTCCCCAGG GGAGGCACAG TGTCTGCTGG
151 TGAGTTGGGG ACAGGCCCTT GCAAGACCTT GTGAGGCAGG GGGTGAAGGC
201 CATGNCTCGG CTTNNNTGG TCAAAGGGGA AGTGGAGCCT GAGGGAGATG
251 GGACTTNAGG GGGACGGNGC TGCGTGGGGA AAAAGCAGCC ACCNTTTGAC
301 AAGGGGGACA GGCATTTTTN CAAATGTGTG CTTNTTGGT
```

FIG.4



MCF7 CELLS  
FIG.5A



293 CELLS  
FIG.5B

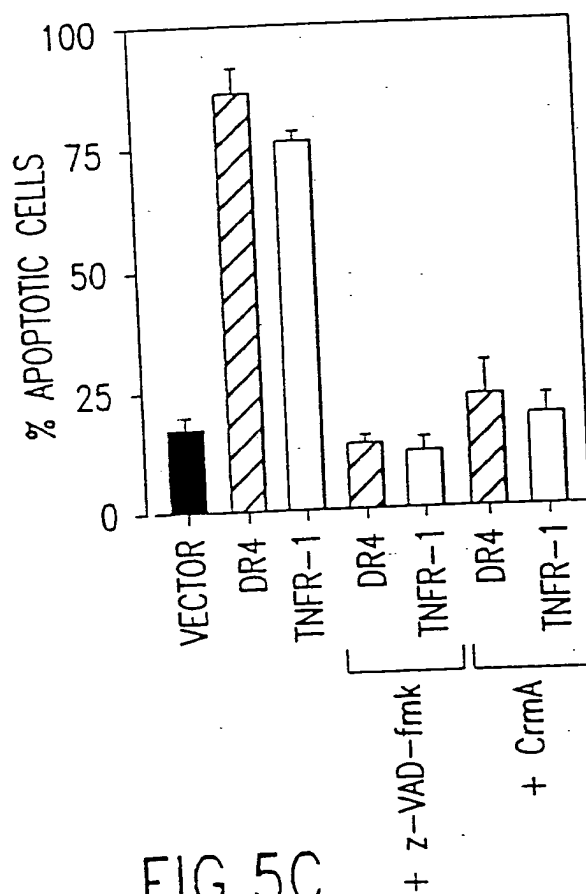


FIG.5C

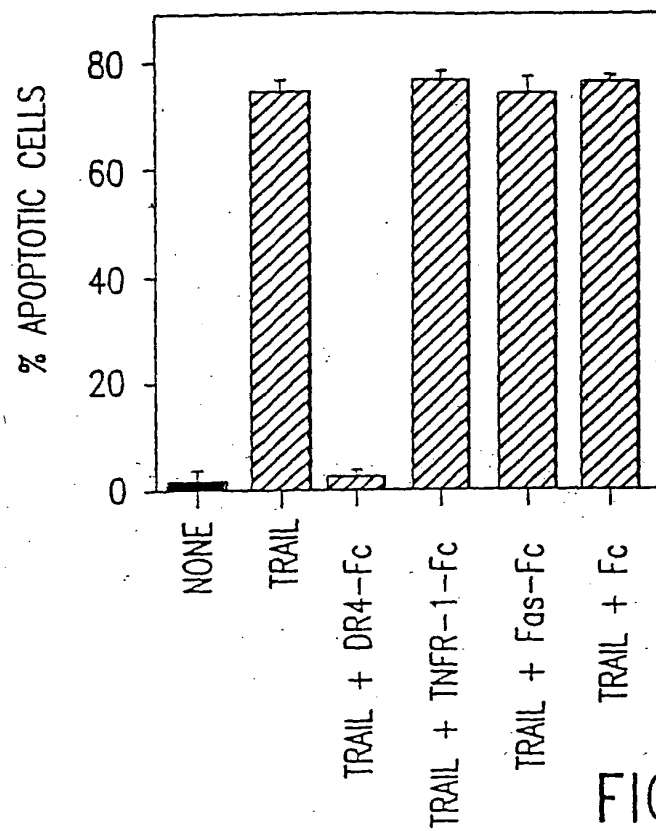


FIG.6A

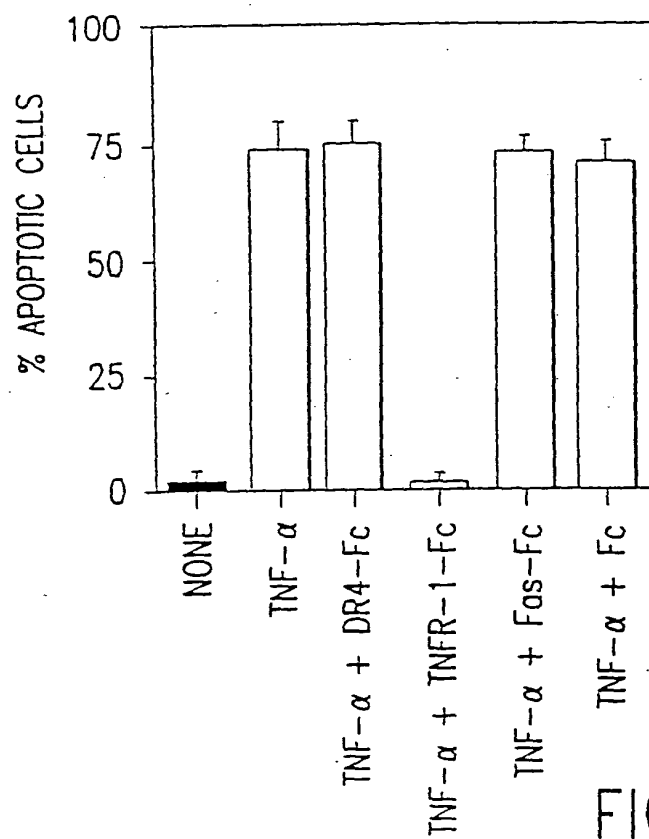


FIG.6B